



## EVO LOUDSPEAKER



USER MANUAL

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### **Extended 5-Year Warranty**

AVID is pleased to extend the normal warranty duration to 5-Years from the date of original shipping. This warranty is transferable in the unlikely event that you would sell this unit onto another party. Register your product at;

**[www.avidhifi.com/register](http://www.avidhifi.com/register)**

## **INTRODUCTION**

Congratulations on the purchase of your new AVID EVO loudspeakers. We are sure that, with care, they will provide you with many years of unrivalled musical enjoyment.

The EVO range currently consists of three models; the EVO 2, EVO 3 and EVO 4.

The EVO 4 is the most compact model, designed for small to medium sized rooms, and for those looking for a discrete audio setup. The EVO 4 is designed to be placed on purpose-built stands or a heavy-duty shelf. The EVO 2 and EVO 3 models are larger, floor standing models, to be used in medium-sized living rooms, placed directly on the floor.

As with all AVID products, these loudspeakers are the result of many hundreds of hours of development and testing to ensure that they exceed the quality and performance we know our customers expect from AVID.

Please read these instructions fully before attempting to setup and use the loudspeakers, failure to do so may result in damage or possibly injury

## **SAFETY**

Although compact, these loudspeakers are very heavy and it is highly recommended that a minimum of two people are needed to assemble and position your EVO loudspeakers.

As with all loudspeakers, the exposed drive units are susceptible to damage if touched.

If you have chosen to use a third-party loudspeaker support, please ensure that they are capable of supporting the weight of the EVO 4, and ensure that they are sufficiently stable, so there is no risk of them being knocked over.

## **WHAT IS INSIDE**

All EVO loudspeakers contain an black tube accessory pack in the top section. Each pack contains a set of jump leads for the rear connections and for EVO 2 and 3 models, there are spikes, locking nuts and floor protectors.

## **UNBOXING**

Your EVO loudspeaker has been carefully packed to ensure it is delivered undamaged to you. Please follow these unpacking instructions and remove hand jewellery and watches to avoid the risk of accidental damage.

### **EVO 4 Loudspeaker**

1. Having opened the correct end of the box (where you found these instructions), please remove the accessory pack.
2. Being careful of the exposed tweeter, lift away the foam protection. Then gently lift the loudspeaker out of the box and place on the floor. Remove the cloth bag, always taking care of the exposed tweeter.
3. Now place the loudspeaker in its listening position or suitable stand.

### **EVO 2 and 3 Loudspeaker**

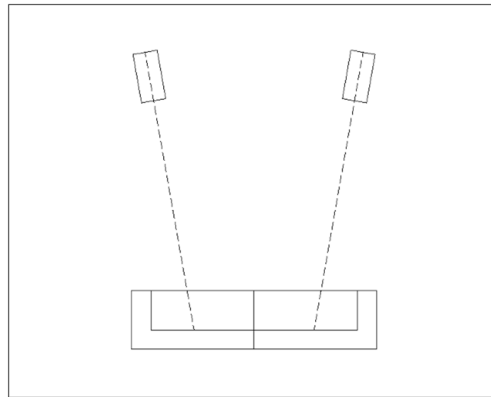
1. With the loudspeakers in the upright position, remove all the plastic clips and cardboard outer packaging.
2. Being careful of the exposed tweeter, lift away the foam protection and accessory pack.
3. With assistance, gently lift the loudspeaker out of the box and place on the floor, removing the cloth bag, always taking care of the exposed tweeter.
4. Now place the loudspeaker in its listening position and fit the floor spikes and locking nuts by screwing them into the feet underneath the base plate. To avoid damage to the floor, spike protectors are also supplied.

**IT IS IMPORTANT THAT YOU RETAIN THE PACKAGING  
IT WILL BE VERY EXPENSIVE TO REPLACE**

## PLACEMENT RECOMMENDATIONS

Like any loudspeaker the EVO is affected to a great extent by the listening environment. The EVO is quite easy to accommodate, but following some simple guidelines will help:

- Position the loudspeakers symmetrically in the room (e.g. equal distance from either side wall). Where possible avoid asymmetrical rooms (e.g. "L" shaped or rooms with a single alcove to one side) - any asymmetry will result in an imbalance of the stereo image, and an uneven frequency response.
- Don't place the loudspeakers too far apart—the distance between the two loudspeakers should be slightly less than the distance from them to the listening point—again, experimentation is required. If the sound is lacking bass, and the centre image is vague, try placing the loudspeakers closer together, conversely, if the sound is bass heavy, move the loudspeakers further apart, and away from the rear walls.
- Twist the two loudspeakers so that they are pointing slightly toward, but not directly at, the listening position—this should produce a nice sharp stereo image, but create enough spread for several people to enjoy the performance.



- Positioning the loudspeakers close to the wall immediately behind them will increase bass output, but at the expense of clarity and stereo image —experiment to find out the best compromise for you, but start at around 45cm (18"), and adjust until you are happy with the sound
- Try to avoid locating the listening position such that your head is too close to the wall behind you—if this is unavoidable, try to ensure there are some soft furnishings or heavy curtains between you and the wall.

## CONNECTING UP

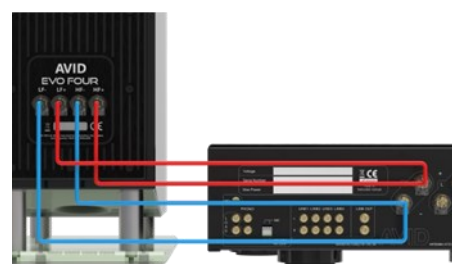
The EVO uses a two pairs of connectors, one for the High Frequency connection (HF) and one for the Low Frequency connection (LF). You have the option of connecting your EVO loudspeakers either using the more conventional twin-core connection or by Bi-Wiring, which requires a cable with 4 separate cores (or two cables with two cores).

If you wish to bi-wire, please make sure you remove the 'jumper' cables that the loudspeaker ships with.

Bi-wiring can be beneficial in reducing the interaction of the L.F. and H.F. sections of the crossover—moving the common earthing point to the amplifier, rather than the crossover itself, separates the vastly different current characteristics experienced by each drive unit, resulting in a cleaner, more accurate signal for each drive unit. The scale of the improvement is dependent on the crossover's topology—the EVO crossovers are designed to minimise the effect however bi-wiring can still prove beneficial, and is well worth taking time to investigate.



Standard wiring configuration



Bi-wiring configuration

## SYSTEM MATCHING

An EVO is a benign load, and most amplifiers will be able to drive them without difficulty. High quality amplifiers of 40W per channel or more should be more than capable of attaining sensible sound levels in a typical listening room—however there are real benefits to be enjoyed by using quality amplifiers with even greater power. Don't be too concerned about matching amplifier power to loudspeaker power, in reality, damage is far more likely to occur when using an underpowered amplifier than a supposedly 'overpowered' amplifier (though care is still needed in extreme cases).

## OPTOMISING SOUND QUALITY

The ultimate sound quality of your sound system relies on a host of variables, though there are some key points that you should take in to consideration

- Ensure that all your audio equipment is securely positioned—not just the loudspeakers. A good quality equipment rack and our support Platform can dramatically impact on the performance of your complete system.
- Make sure there is a mix of hard and soft furnishings in your listening room—to much soft furniture can result in a dull, "closed-in" sound, whereas hard furnishings tend to create a very lively sound, which can sound harsh and also suffer from echoes.
- Try to remove any unnecessary electrical equipment out of the room– if powered on, they can create electrical noise that will impact on your Hi-Fi system, and in the case of televisions, the large flat screen panel causes reflections disrupting the stereo image.
- Use good quality interconnect and loudspeaker cable. With regard to loudspeaker cable, there are large currents flowing between the amplifier and loudspeaker, so long lengths of cable should be avoided, as resistance increases directly with length. Having stated this, it is important that both left and right channels are both of the same length, even if one loudspeaker is nearer to the amplifier than the other.

## FLOOR STAND ADJUSTMENT

The EVO TWO and THREE incorporate adjustable spikes which allow for levelling of the loudspeaker. They are not intended to raise the overall height of the loudspeaker—and as such, the level of adjustment is restricted.

### Fitting, levelling and adjusting the spike

Thread the spike into the locking nut from the flat end, all the way to the spike point and then screw the spike into the loudspeaker foot so it looks like Image 1. With all four fitted, adjust them so the loudspeaker is secure and does not wobble.

Once the loudspeaker is stable, wind the locking nut up to the foot, locking it into position, shown in Image 2.



Image 1



Image 2

Please be aware that during adjustment, it is possible to unscrew the spike completely and for safety, please make sure that the spike is screwed in by at least 4 complete turns.

Floor standing models are supplied with small 'cups' (in the accessory pack) which are designed to be placed underneath each spike. These are intended to be used if the loudspeakers are placed on a hardwood floor, or some other covering that requires protection from the spikes. Do not use the cups, if placing the loudspeakers on carpet, as the spikes are design to pierce the carpet through to the solid floor beneath. No harm will come to the carpet, and the loudspeakers will be held securely, preventing movement and improving sound quality.

## LOOKING AFTER YOUR LOUDSPEAKERS

The only cleaning required should be a light dust with a lint-free cloth - no harsh cleaning fluids should be used. DO NOT touch the high frequency dome as this is extremely fragile, and any creases will affect the overall sound quality. The Low frequency driver can be gently dusted if necessary, but again, care is required.

Be careful when using heavy loudspeaker cable—this can put a heavy load on the terminals, which could ultimately break—avoid sudden shocks, such as allowing the cables to be pulled, or tripped over.

## EVO Loudspeaker Range Specifications

Model	EVO 2	EVO 3	EVO 4
Configuration	3-Way, Bass Reflex	2.5Way, Bass Reflex	2-Way, Bass Reflex
Crossover type	2nd/3rd order, bi-wire	2nd order, bi-wire	2nd order, bi-wire
Drive units	1xHF, 2xMF/LF (6"), 1xLLF (10")	1xHF, 2xLF (6")	1xHF, 1xLF (6")
Frequency Response	28Hz - 20kHz	32Hz - 20kHz	43Hz - 20kHz
Recommended Amplifier (w)	60-250	40-200	30-150
Sensitivity	86dB/2.83Vm	87dB/2.83Vm	87dB/2.83Vm
Impedance	TBA	4 Ohms	8 Ohms
Dimensions (HxWxD)	1060 x 290 x 449mm	1003 x 290 x 449mm	363 x 200 x 449
Weight	45Kg	33Kg	15Kg
Finish	Black or White	Black or White	Black or White

All specifications are subject to change

## **Warranty Statement**

### UK Residents

AVID HIFI Limited products are warranted against defects in materials and workmanship for a period of two years from the original date of purchase, or no later than three years from the date of shipment to an authorized AVID agent, whichever comes first, extending to five years subject to the product owner having submitted the Registration form ([www.avidhifi.co.uk/register.htm](http://www.avidhifi.co.uk/register.htm)). Also the following conditions being observed.

- The product must have been purchased through an authorized AVID dealer
- This warranty is in favour of the original purchaser only, except when the new owner completes the online product registration form. Warranty obligation is passed from dealer to manufacturer.
- During the warranty period, AVID will repair, or replace any workmanship, without charge for parts or labour.
- Should the product need to be returned, a written description of the defect and a photocopy of the original purchase receipt must accompany it. Receipts must show the model, serial number, date of purchase, name and address of purchaser and authorized dealer and the price paid.
- Returned product must be packed in the original packing and returned to AVID or original dealer by the customer at his/her expense. AVID will pay return freight of its choice.
- The warranty is void if the product has been used or handled other than in accordance with the instruction manual supplied, abused or misused, damage by accident or neglect or in being transported, or the defect is due to the product being repaired or tampered with by anyone other than AVID or a dealer with prior authorization.
- The warranty is void if the product serial number has been removed, altered or made illegible.
- The warranty is void if the product has been taken out of the country of purchase.
- AVID shall not be held liable for incidental or consequential damages from the sale or use of its products.
- The warranty applies to ex-demonstration product, using the date of manufacture as purchase date.
- Where the product is sold under a consumer transaction (as defined by the Sale of Goods Act 1979) the statutory rights of the purchaser are not affected by this warranty.
- Products are sold on the basis of specifications applicable at the time of sale. AVID shall have no obligation to modify or to update products once sold.

### Outside UK

- AVID has formal distribution in many countries throughout the world. In each country the AVID importer has contractually accepted the responsibility for the product warranty. Warranty should normally be obtained from the importing agent or distributor from whom you obtained your product. In the unlikely event of service required beyond the capability of the importer, AVID will, of course, back up the warranty.
- Where product has been either supplied directly or there is no current distributor, AVID accepts responsibility for the warranty period.
- Returned product must be packed in the original packing and returned to AVID by the customer at his/her expense. AVID will pay return freight of its choice.
- The warranty is only valid in the country of purchase.
- Products outside their original destination requires that units with remaining warranty be returned to the country of purchase for the warranty to be valid. Customer is responsible for freight both ways and all associated import and export charges.
- Foreign distributors are not required to provide warranty service, repair or change AC mains voltage on units that they did not originally import and sell.
- Foreign distributors may at their discretion offer service for a fee.

MISCELLANEOUS. ANY IMPLIED WARRANTIES RELATING TO THE ABOVE PRODUCT SHALL BE LIMITED TO THE DURATION OF THIS WARRANTY. THE WARRANTY DOES NOT EXTEND TO ANY INCIDENTAL OR CONSEQUENTIAL COSTS OR DAMAGES TO THE PURCHASER.



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